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PATENT SPECIFICATION



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384,578

Complete Accepted: Dec. 8, 1932.

COMPLETE SPECIFICATION.

Improvements in or relating to Means for Preventing  
Unauthorized Use of Motor Vehicles.

We, FREDERICK PORTER WENSLEY, of Lucholm, 76, Powys Lane, Palmers Green, in the County of Middlesex, and FREDERICK WILLIAM Woods, of 54, Queen's Gate Terrace, Kensington, in the County of London, both British Subjects, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to means designed to prevent a parked or otherwise unattended motor car being readily driven off by an unauthorized person, or if driven off, to cause an indication of the fact to be given to the public, and particularly to means for this purpose as set forth in the Specification of Letters Patent No. 375,801 which comprises a screen adapted to be lowered in front of or behind the wind screen of the motor car and to be locked in that position for obstructing the view through the wind screen, so that an unauthorized person attempting to drive off the car, could only do so with difficulty by looking out through one or other side of the car, which act would, of itself, cause public suspicion that the car was being driven by an unauthorised person, whilst to give still more effective notice to the public that the motor car was being driven by an unauthorised person, the vision obstructing screen may be provided with an indication to that effect, for instance, the words "Stop, Motor theft" clearly visible from the front of the car.

The present invention has for its object to provide means whereby the vision obstructing screen when moved into position for use, cannot readily be cut or otherwise rendered inoperative by a car thief. It also has for its object to provide an improved construction and arrangement of such protective means, for the purpose set forth, whereby the obscuring screen can be moved into its operative and inoperative position in a better manner.

For enabling the objects of the invention to be attained, there is associated with the wind screen of a motor vehicle and a vision obstructing screen as above described, formed of flexible material,

[Price 1/-]

stationary protective means whereby, when the vision obstructing screen (hereinafter called the blind) is moved into its operative position for use, its opposite lateral edge portions and also its lower edge portion will be protected in such a way as to prevent ready access thereto by a tool with the object of cutting or otherwise damaging the blind and rendering it inoperative for the purpose intended. Also, with a like object, the roller on which the blind is wound is enclosed in a metal casing securely attached to the wind screen and provided with an opening through which the blind can pass when being unwound and wound up. To facilitate operation of the blind, the blind roller is made as a spring roller. The locking of the blind when drawn down, may be effected in an automatic manner, and the lock used for the purpose be of the kind adapted to be unlocked only by a special key designed to actuate it. The blind may be formed of any suitable flexible material not capable of being readily cut.

In the accompanying illustrative drawings, Fig. 1 is a perspective view, showing a motor car provided with a blind according to the invention. Fig. 2 is a rear elevation, partly in section, and Fig. 3 a side elevation, showing a wind screen of a motor car with associated spring roller, blind, protecting means therefor and lock, according to the invention. Fig. 4 shows the wind screen with spring roller, blind, protective means and lock in vertical section, taken on the line IV—IV of Fig. 2. Fig. 5 is a horizontal section taken on the line V—V of Fig. 2. Fig. 6 is a sectional detail view to a larger scale. Fig. 7 is a rear elevation and Fig. 8 a vertical section, showing, to a larger scale than the other figures, a portion of a blind and one way in which it may be made flexible in the vertical direction.

In the example shown, *a* is the lower fixed portion and *a'* the upper adjustable portion of a transparent wind screen, of any known or suitable kind of a motor car. *b* is a spring roller mounted in bearings *b'* in the end walls of a closed

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metal casing *c* carried by brackets *d* securely fixed, as by welding or screws, to the upper end portions of the side members *e* of the frame for the window screen. *f* is a flexible blind formed of metal or other flexible material not capable of being readily cut, wound upon and secured at its upper edge to the spring roller *b* and capable of being drawn through a longitudinal aperture *c'* in the said casing. The opposite lateral side portions of the blind are, in order to protect them, for the purpose hereinbefore described, arranged to run within vertical metal guideways *g* securely fixed to the said side members *e* of the window screen frame. The lower edge portion of the blind *f* is, for the purpose of protecting it, adapted to enter a horizontal recess or groove formed in a metal bar *h*, forming a horizontal extension of the vertical metal guideways *g*, and securely fixed to the upper portion of the dashboard *i* of the motor car. To the lower edge portion of the blind is securely fixed a metal locking plate *k* adapted, when the blind is fully drawn down, to extend through a hole in the bottom of the grooved metal bar *h* and enter a metal box *m* fixed behind or within the dashboard of the car and become held down automatically by the bolt of a lock. For this purpose, one side of the locking plate *k* may, for example, be provided with a tooth *n* formed with an inclined surface *n'* adapted to abut against and slide upon the corresponding inclined surface of a horizontally movable spring bolt *o* of a lock *o*, and move the same laterally until it passes below the bolt which will then automatically spring forward and hold the tooth, locking plate and blind in the lowered position for use until the bolt is withdrawn by the aid of a suitable key.

The lock may, as shown, be arranged behind or within the dashboard *i* and is preferably of the type known under the registered trade mark "Yale", the key for which it would be difficult to duplicate quickly.

The blind can be made flexible in various ways. For example, as shown in Figs. 7 and 8, it may be formed of a number of flat hard steel slats *r* hinged together by pins *s*, after the manner of the leaves of a metal butt hinge.

By providing a motor car with an opaque flexible blind such as described, it will readily be understood that it would be very difficult for an unauthorised person to enter the car and drive it away quickly, and that the blind owing to its protective means, could not be rendered inoperative without suitable tools, requir-

ing time for their effective use. To provide further protection against the successful use of the car by an unauthorised person, the blind may, as hereinbefore stated and as shown in Fig. 1, be provided on its front side with the word "Parked" or other desired equivalent warning indication, clearly visible through the ordinary wind screen of the car.

As will readily be understood, the details of construction can be varied in many ways, to suit requirement, without departing from the essential features of the invention.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. In a motor car provided with a transparent wind screen and with a blind formed of flexible material adapted to be moved into a position opposite the wind screen to prevent clear vision therethrough and of being secured in its operative position, means adapted to protect the lateral and lower edge portions of the blind when the blind is in position for use, so as to prevent ready insertion of a tool between the wind screen and the blind.

2. A motor car according to the preceding claim, wherein the means used for protecting the lateral and lower edge portion of the blind comprises metal guideways fixed to the wind screen and in which the said portions of the blind are confined when the blind is in position for use.

3. A motor car according to claim 1, wherein the roller on which the blind is wound, is mounted in a metal casing.

4. A motor car according to claims 1 and 3, wherein the blind is mounted on a spring roller.

5. In a motor car, the combination with the ordinary wind screen thereof, of a blind, spring roller and protective means for the said blind and roller, constructed, arranged and adapted for use, substantially as hereinbefore described with reference to the accompanying drawings for the purpose set forth.

6. For use with a motor car, a combined wind screen, blind, spring roller and protective means for said blind and roller, constructed and adapted for use, substantially as hereinbefore described for the purpose set forth.

Dated this 14th day of June, 1932.

For the Applicants,  
LLOYD WISE & Co.,  
10, New Court, Lincoln's Inn, London,  
W.C. 2,  
Chartered Patent Agents.

FIG. 1.

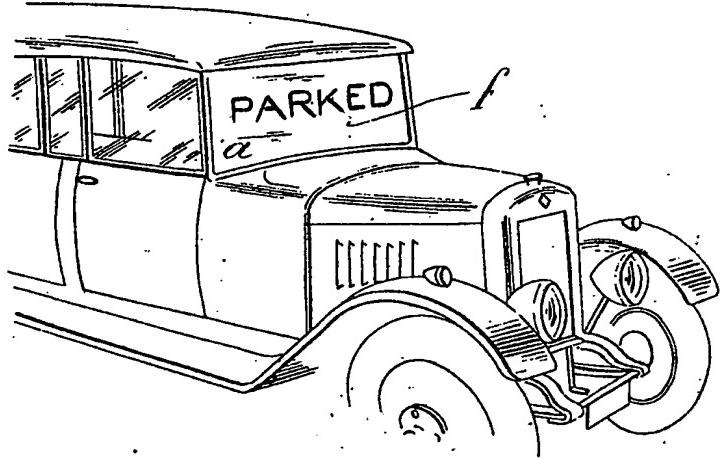
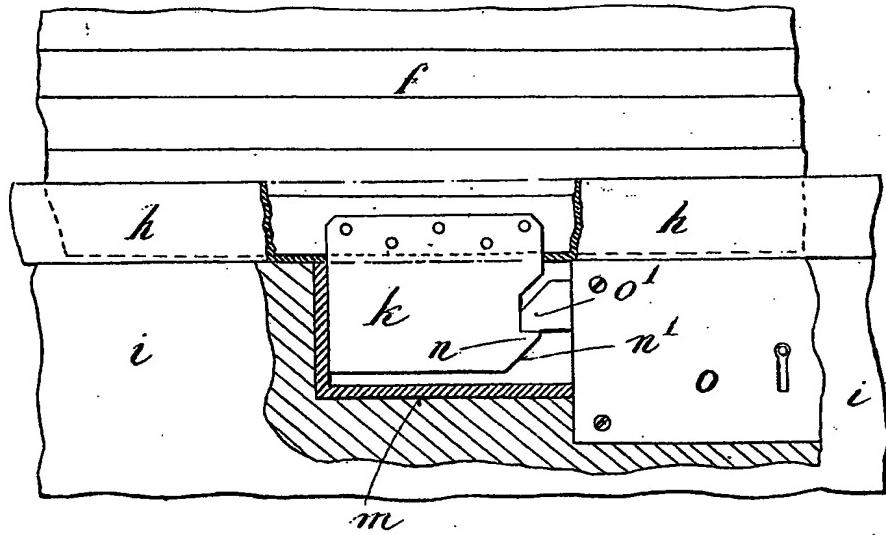


FIG. 6.



*[This Drawing is a reproduction of the Original on a reduced scale.]*

FIG. 2.

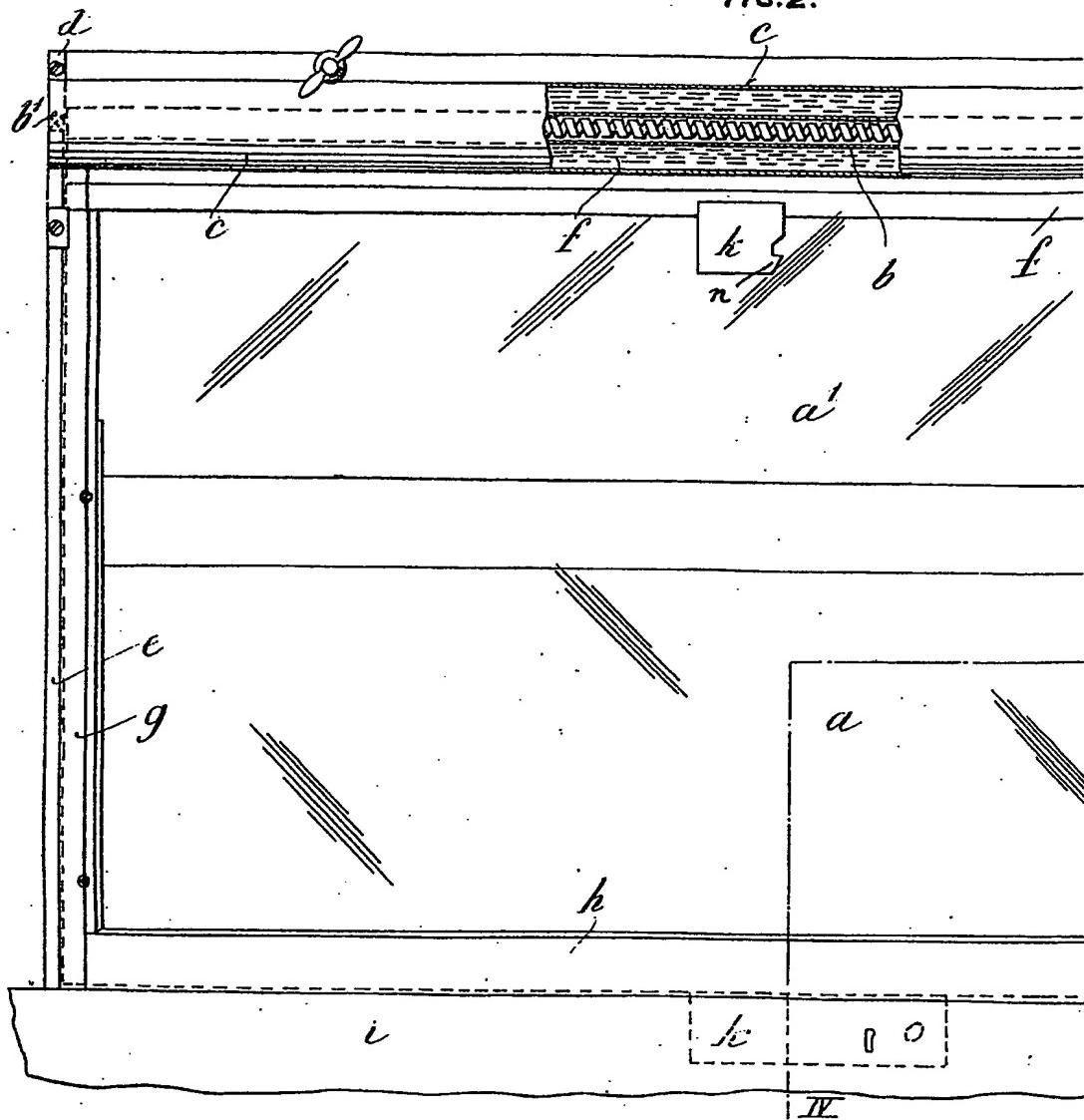


FIG. 8.

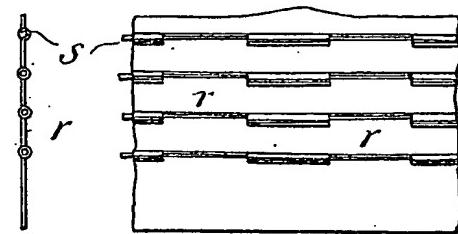
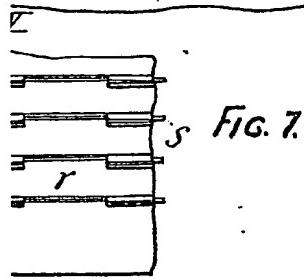
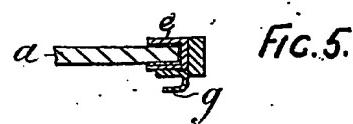
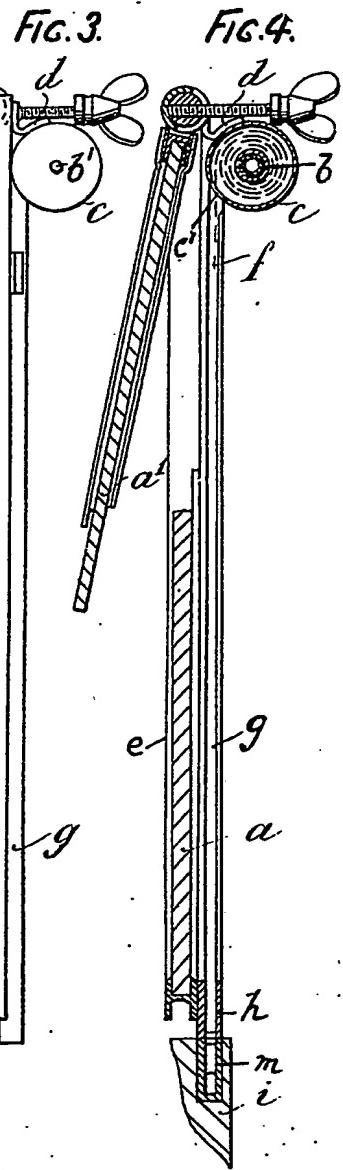
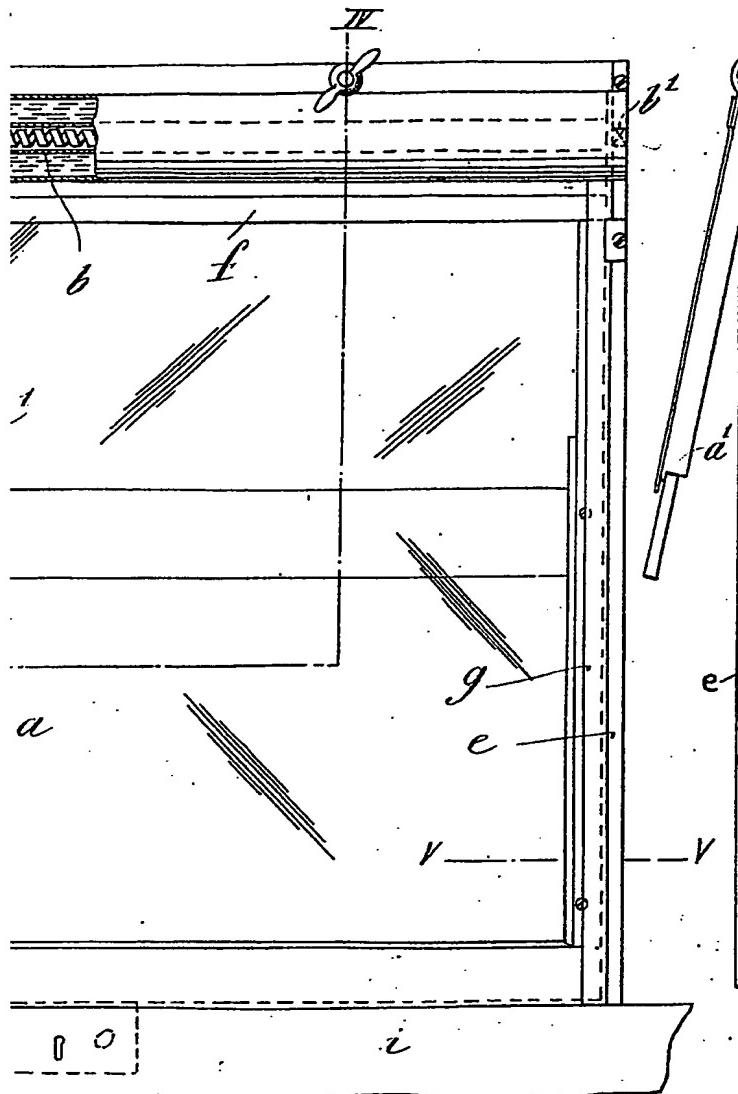
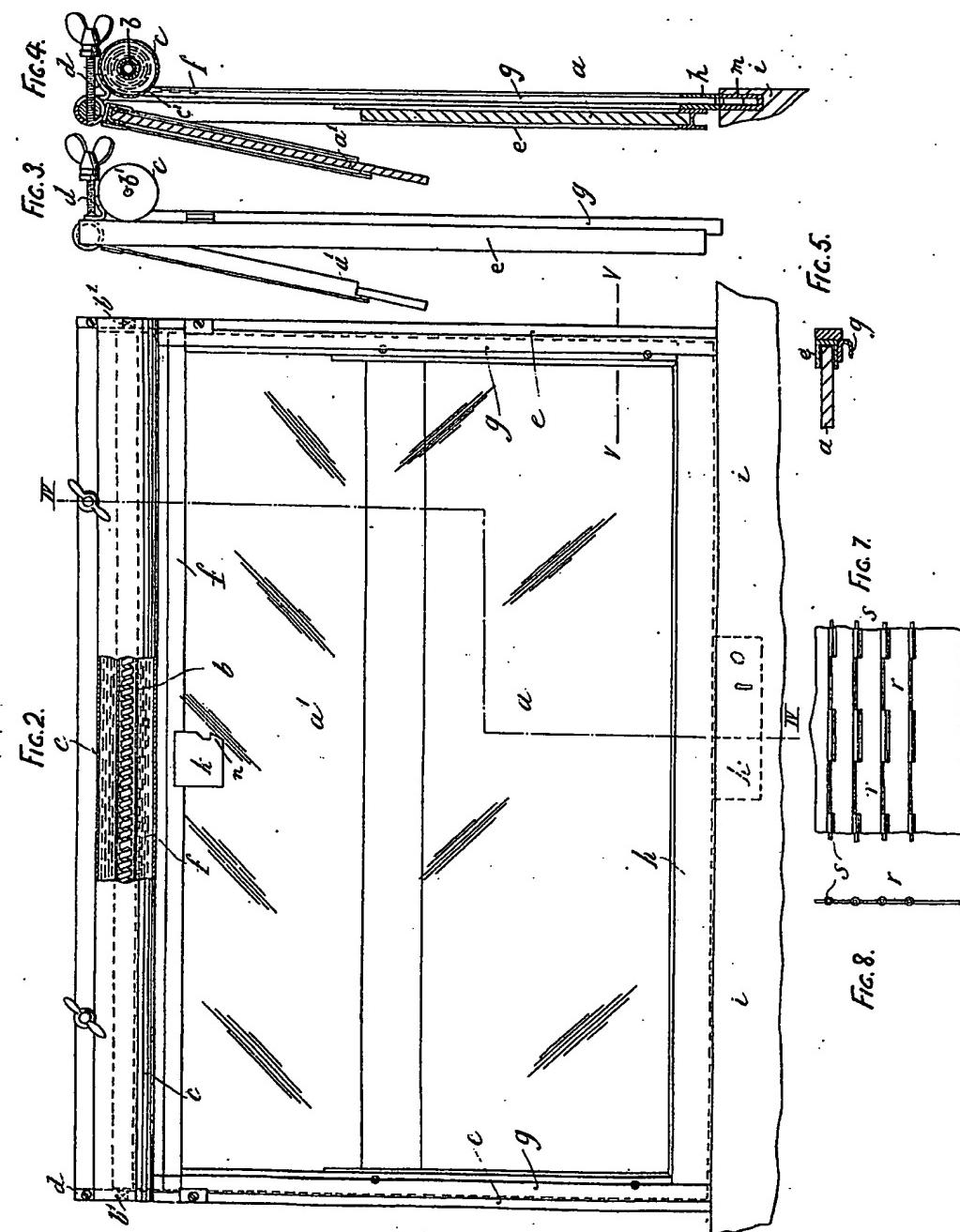


FIG.





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